

*Department of Environmental Quality
Source Water Protection Program*

***REVIEW CHECKLIST
PWS-6 Reports - GROUND WATER***

The following items represent the minimum requirements for review and approval of PWS-6 reports submitted to DEQ by developers, PWS operators, landowners, or others. This checklist should be used in conjunction with the information and general format provided in the template for preparing PWS-6 documents. While the format of the template may be modified as needed, all requested information should be included for review and approval by the SWPP.

For any items that are not applicable or information is not available, note in checklist column and provide an explanation. Attach additional sheets for explanation, if necessary.

Name of System _____		County: _____
PWS ID# _____		
Date Plan Submitted _____		
Operator Name _____		
SWPP Contact:	Name	_____
	Address	_____
	Phone	_____
Person Preparing Plan Contact:	Name	_____
	Address	_____
	Phone	_____

Reviewer Signature _____ Date _____

Chapter 1 - Background

This section provides background information on the community served by the PWS.

1. General Description of Source Water	_____	
Clearly state what the source is: groundwater, spring, surface water, or some combination of the sources.		
	<u>Page</u>	<u>Section</u>
2. Description of PWS system (proposed), including:		_____
• Source of water (number of wells, depth, etc.)	_____	
• Aquifer lithology and well construction logs (in appendix)	_____	
• Distribution system (layout or on a map)	_____	
• Number of connections and users	_____	
• PWS Treatment System	_____	
• A map indicating the general layout of the PWS.	_____	
3. Water Quality:		_____
• Describe background/regional water quality	_____	
• Table summarizing background water quality	_____	

Chapter 2 - Delineation This section provides information on the hydrogeology of the water supply for the PWS-6.

	<u>Page</u>	<u>Section</u>
1. Hydrogeologic Conditions		_____
• List or bibliography of references for hydrogeologic information	_____	
• Summary of wells in area from GWIC database		_____
• Geologic map(s) included (if not, valid justification for omission)	_____	
• Identify aquifer	_____	
• Geologic setting of aquifer	_____	
• Aquifer properties (lithology, boundaries, etc)	_____	
• Aquifer type (confined, unconfined, semi-confined)	_____	
• Connection with surface water	_____	
• Classify sensitivity of hydrogeologic setting of source water	_____	
2. Conceptual Model and Assumptions		_____
• Aquifer boundaries	_____	
• Aquifer recharge areas	_____	
• Ground water flow direction	_____	
• Communication with surface water	_____	
3. Well (or Source) Information		_____
• Well depths, construction details	_____	
• Well locations described and shown on maps	_____	

	<u>Page</u>	<u>Section</u>
4. Delineation Methods and Criteria		
• Overview of approach used for delineation	_____	
• Identify management zones or regions used and how they were delineated on the maps.		

Chapter 3. Inventory This section identifies all known and potential contaminant sources which may affect the PWS.

	<u>Page</u>	<u>Section</u>
1. Inventory methods identified or how was the inventory carried out		
2. Appropriate databases searched, with potential sources identified		
• Control zone	_____	
Does the PWS own and control the Control Zone?		
Description of land uses		
Description of potential contaminant sources		
Potential contaminant sources located on a base map		
• Inventory Region	_____	
Description of land uses		
Description of potential contaminant sources		
Significant potential contaminant sources located on a base map		
• Surface Water Buffer	_____	
Description of land uses		
Description of potential contaminant sources for pathogens (acute health hazards)		
• Recharge Region	_____	
Description of land uses		
Description of large potential contaminant sources		
Large potential sources and land use shown on a map		

Chapter 4. SUSCEPTIBILITY: Description of the threat the contaminant sources identified in your inventory pose to the new well. A procedure is presented in the PWS-6 template.

Appendices All necessary supporting information is included in Appendices _____